

**Specifications:**

|                |                  |
|----------------|------------------|
| Gene:          | mEgfr            |
| Accession:     | NP_997538        |
| Insert size:   | 3646bp           |
| Concentration: | 10µg at 0.2µg/µL |

**Description**

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

**Preparation and Storage**

|             |                                                                     |
|-------------|---------------------------------------------------------------------|
| Formulation | cDNA is provided in 10 mM Tris-Cl, pH 8.5                           |
| Shipping    | Ships at ambient temperature                                        |
| Stability   | 1 year from date of receipt when stored at -20°C to -80°C           |
| Storage     | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. |

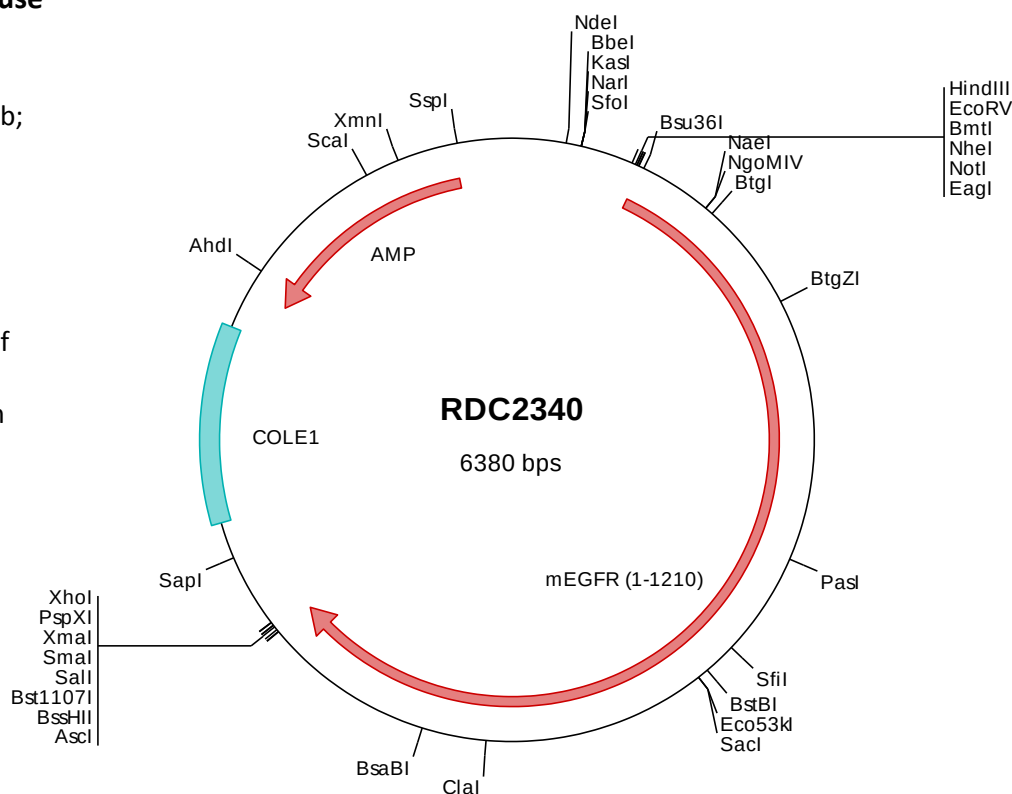
**mEGFR cDNA Plasmid**

**Egfr epidermal growth factor receptor [ *Mus musculus* (house mouse) ]**

**Also known as:** Wa5; wa2; Erbb; Errp; wa-2; Errb1; AI552599; 9030024J15Rik

**Summary:**

EGFR is a transmembrane glycoprotein that is a member of the protein kinase subfamily. EGFR binds to epidermal growth factor and induces EGFR homodimerization as well as heterodimerization with ErbB2, resulting in kinase activation, heterodimerization tyrosine phosphorylation, and cell signaling. EGFR signaling regulates multiple biological functions including cell proliferation, differentiation, motility, and apoptosis. EGFR is overexpressed in a wide variety of tumors and is a target of several anti-cancer drugs.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

## > RDC2340 Plasmid DNA Sequence

```

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## > RDC2340 Translated Insert Sequence

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